



water



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Review and Progress in Hydrological and Meteorological Monitoring of Glaciers

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2021)

Message from the Guest Editor

We invite progress reports and summaries of monitoring programs, experiences with and suggestions of new measuring schemes involving surface mass balance, geodetic, remote sensing and hydrologic methods to determine the water balance of glacierized basins. We also welcome studies of hydrological conditions such as precipitation, the redistribution of snow, melting, the intraglacial storage of water, runoff as seasonal input and its hysteresis with respect to meteorological forcing; studies on meteorological conditions at small to regional scale, the distribution of snowfall and accumulation and their connection to atmospheric circulation; studies on snow and ice albedo, surface energy budget and snow metamorphism; as well as studies addressing the remote sensing of surface elevation and of snow water equivalent.



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Special issue



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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